

Claims

What is claimed is:

1. A mounting apparatus for mounting a device having an arm on a surface, said apparatus comprising:

a shaft holder, said shaft holder having a plurality of walls, said walls defining a receptacle having an enclosed bottom and an opened top portion, said receptacle shaped to receive said arm, and said arm being removably insertable into said receptacle through said opened top portion; and

an attachment means, said attachment means attaching said shaft holder to said surface.

2. The mounting apparatus as described in claim 1, wherein said plurality of walls form a circular shaft holder.

3. A mounting apparatus as described in claim 1, wherein said apparatus further comprises:

a cylindrical threaded rod and a nut;

said bottom further comprising a hole for receiving said rod, said shaft holder being attached to said surface by passing said cylindrical threaded rod through said hole and through said surface, and securing said nut on said rod.

4. A mounting apparatus as described in claim 3, wherein said rod further comprises a bolt, said bolt further comprising a tapered hex head, and said bottom hole being recessed for receiving said head of said bolt.

5. A mounting apparatus as described in claim 3, further comprising a washer, said washer positioned on said bottom of said shaft holder.

6. A mounting apparatus as described in claim 3, further comprising a clamping plate, said plate having a centrally located hole, said rod passing through said hole in said plate after passing through said surface whereby screwing said nut on said rod pushes said plate against said surface.

7. A mounting apparatus as described in claim 6, further comprising at least one buffering pad, said at least one buffering pad positioned between said bottom and said surface.

8. A mounting apparatus as described in claim 7, wherein said at least one buffering pad is positioned between said surface and said clamping plate.

9. A mounting apparatus as described in claim 1, wherein said apparatus further comprises:

a cylindrical threaded rod and a nut,
said bottom further comprising a hole for receiving said
rod, said hole being recessed for receiving said nut;

a long "L" member, said long "L" member being comprised of
a first flange and a second flange, said first flange being
generally perpendicularly attached to said second flange, said
first flange having a bolt hole, and said long "L" member being
attached to said shaft holder by passing said rod through said
bolt hole on said long "L" member and through said hole on said
bottom, and securing said nut on said rod.

10. A mounting apparatus as described in claim 9, further
comprising at least one screw, said second flange having at least
one threaded hole, said shaft holder being attached to a surface
by screwing said at least one screw through said at least one
threaded hole and into said surface.

11. A mounting apparatus as described in claim 10, wherein
said first flange has an "a" side and an "b" side, said "a" side
facing upward, and said shaft holder being attached on top of
said "a" side, and said rod being comprised of a screw.

12. A mounting apparatus as described in claim 10, wherein
said first flange has an "a" side and a "b" side, said "b" side
facing upward, and said shaft holder being attached on top of

said "b" side, said rod being comprised of a screw, said screw having a flat tapered countersunk head, said "a" side of said bolt hole being recessed for receiving said tapered countersunk head.

13. A mounting apparatus as described in claim 9, wherein said apparatus further comprises:

said first flange of said long "L" member having an "a" side and a "b" side, said "b" side facing upward, and said shaft holder being attached on top of said "b" side, said second flange of said long "L" member further having at least one threaded hole;

said rod being comprised of a screw, said screw having a flat tapered countersunk head, said "a" side of said bolt hole being recessed for receiving said tapered countersunk head;

at least one second screw, said at least one second screw further having a flat tapered countersunk head;

a short "L" member, said short "L" member being comprised of a first flange and a second flange, said first flange being generally perpendicularly attached to said second flange, said second flange having a hole, said hole further having a recess, and said first flange having a threaded screw hole, said short "L" member being attached to said long "L" member by screwing said at least one second screw through said hole on said second flange of said short "L" member and through said at least one

threaded hole on said long "L" member, said head being recessed in said recess of said hole on said second flange of said short "L" member;

a clamping plate, said plate having a top side and a bottom side; and

a clamping screw, said shaft holder being attached to a surface by clamping said surface between said "a" side of said first flange of said long "L" member and said top side of said clamping plate, said clamping screw being screwed through said bolt hole on said second flange of said short "L" member and meeting said bottom side of said clamping plate, said clamping screw pushing said clamping plate upward to engage said surface.

14. The mounting apparatus as described in claim 13, wherein said short "L" member is a narrow short "L" member, said first flange of said short "L" member being narrower than said first flange of said long "L" member, and said clamping plate being a narrow clamping plate, said narrow clamping plate being at least as narrow as said first flange of said short "L" member.

15. A mounting apparatus as described in claim 13, further comprising at least one buffering pad, said at least one buffering pad positioned between said "a" side of said first flange of said long "L" member and said surface.

16. A mounting apparatus as described in claim 15, wherein said at least one buffering pad is positioned between said surface and said clamping plate.

17. A mounting apparatus as described in claim 9, wherein said surface is a panel wall having vertically aligned slots, said apparatus further comprising:

said first flange of said long "L" member having an "a" side and an "b" side, said "a" side facing upward, and said shaft holder being attached on top of said "a" side, said rod being comprised of a screw, said second flange of said long "L" member further having at least one threaded hole;

a bracket, said bracket having a plurality of hooks, said hooks adapted to engage said slots, said bracket further having at least one hole, said bracket further having two threaded holes;

two set screws, each of said set screws passing through one of said two threaded holes and engaging the panel wall; and

at least one bolt, said bracket being attached to said second flange of said long "L" member by passing said at least one bolt through said at least one hole on said bracket and through said at least one threaded hole on said second flange of said long "L" member, said shaft holder being mounted to said surface by engaging said plurality of hooks in said vertically aligned slots.

18. A mounting apparatus as described in claim 17, wherein one of said two set screws is positioned at the top of said bracket and the second of said two set screws is positioned at the bottom of said bracket.

19. A mounting apparatus as described in claim 17, further comprising a plate, said plate being positioned between said panel wall and said set screws to prevent damage to said panel wall by said screws.

20. A mounting apparatus as described in claim 19, wherein said plate further comprises at least two tabs, said tabs engaging at least two of said slots, said plate further comprising at least one hole, said at least one bolt passing through said at least one hole on said plate, through said at least one hole on said bracket and through said at least one threaded hole on said second flange of said long "L" member.

21. A mounting apparatus as described in claim 9, wherein said surface is a slat wall having only upwardly facing slats, said apparatus further comprising:

said first flange of said long "L" member having an "a" side and an "b" side, said "a" side facing upward, and said shaft holder being attached on top of said "a" side, said rod being

comprised of a screw, said second flange of said long "L" member further having at least one threaded hole;

a first bracket, said first bracket having a face flange and a top flange, said face flange attached to said top flange, said top flange having a lip, said lip adapted to engage one of said slats, said face flange of said first bracket further having at least one hole, at least two threaded holes, and at least two slots;

at least one bolt, said first bracket being attached to said second flange of said long "L" member by passing said at least one bolt through said at least one hole on said bracket and through said at least one threaded hole on said second flange of said long "L" member, said shaft holder being mounted to said surface by engaging said lip in one of said upwardly facing slots;

at least two set screws, each of said at least two set screws passing through one of said two threaded holes and engaging the slat wall;

a second bracket, said second bracket having a top flange, said top flange having a lip, said lip engaging one of said upwardly facing slats, said second bracket further having a face flange, said face flange being attached to said top flange, said face flange having at least two holes, said face flange further having an angled portion, said angled portion having at least two set screw holes;

at least two bracket bolts and at least two bracket nuts, said at least two bracket bolts and at least two bracket nuts attaching said second bracket to said first bracket, by passing each of said at least two bracket bolts through one of said at least two holes in said face flange of said second bracket and through said at least two slots, and securing one of said at least two bracket nuts on each said at least two bracket bolts;

at least two bracket set screws, each of said at least two bracket set screws passing through one of said at least two set screw holes in said angled portion, and engaging the slat wall.

22. A mounting apparatus as described in claim 9, wherein said surface is a slat wall having upwardly facing slats and downwardly facing slats, said apparatus further comprising:

said first flange of said long "L" member having an "a" side and an "b" side, said "a" side facing upward, and said shaft holder being attached on top of said "a" side, said rod being comprised of a screw, said second flange of said long "L" member further having at least one threaded hole;

a first bracket, said first bracket having a face flange and a top flange, said face flange attached to said top flange, said top flange having a lip, said lip adapted to engage one of said upwardly facing slats, said face flange of said first bracket further having at least one hole, at least two threaded holes, and at least two slots;

at least one bolt, said first bracket being attached to said second flange of said long "L" member by passing said at least one bolt through said at least one hole on said bracket and through said at least one threaded hole on said second flange of said long "L" member, said shaft holder being mounted to said surface by engaging said lip in one of said upwardly facing slots;

at least two set screws, each of said at least two set screws passing through one of said two threaded holes and engaging the slot wall;

a second bracket, said second bracket having a lower flange, said lower flange having a lip, said lip engaging a downwardly facing slot, said lower flange further having at least two set screw holes, said second bracket further having a face flange, said face flange being attached to said lower flange, said face flange having at least two holes;

at least two bracket bolts and at least two bracket nuts, said at least two bracket bolts and at least two bracket nuts attaching said second bracket to said first bracket, by passing each of said at least two bracket bolts through one of said at least two holes in said face flange of said second bracket and through one of said at least two slots, and securing each of said at least two bracket nuts on each of said at least two bracket bolts; and

at least two bracket set screws, each of said at least two bracket set screws passing through one of said at least two set screw holes in an upwardly angled direction, and said at least two bracket set screws engaging the slat wall.

23. A mounting system for mounting a device having an arm on a surface, said system comprising:

(a) a set of components, said components comprised of:

(1) a shaft holder, said shaft holder having a plurality of walls, said walls defining a receptacle having an enclosed bottom and an opened top portion, said receptacle shaped to receive said arm, and said arm being removably insertable into said receptacle through said opened top portion, said bottom further comprising a hole for receiving a threaded cylindrical rod, said hole being recessed;

(2) a plurality of threaded cylindrical rods and a nut;

(3) a clamping plate, said plate having a centrally located hole;

(4) a long "L" member, said long "L" member being comprised of a first flange and a second flange, said first flange being generally perpendicularly attached to said second flange,

said first flange further having an "a" side and a "b" side, said first flange having a bolt hole, and said second flange having at least one threaded hole;

(5) a short "L" member, said short "L" member being comprised of a first flange and a second flange, said first flange being generally perpendicularly attached to said second flange, said second flange having a hole, and said first flange further having a threaded screw hole, and

(6) a clamping screw; and

(b) a series of configurations of said components, each said configuration creating an apparatus for mounting a device having an arm on a surface.

24. The mounting system as described in claim 23, wherein said apparatuses are in a group consisting essentially of a clamp mount, a wall mount, a reverse wall mount, and a flat mount.

25. The mounting system as described in claim 23, wherein said configurations are comprised of:

(a) passing one of said plurality of threaded cylindrical rods through said bottom hole, through said surface, through said clamping plate hole, and screwing said nut on said threaded cylindrical rod;

(b) facing said "a" side of said first flange of said long "L" member in an upward direction, positioning said shaft holder on top of said "a" side, passing one of said plurality of threaded cylindrical rods through said bolt hole on said first flange of said long "L" member and through said hole on said bottom, and securing said nut on said threaded cylindrical rod, and further screwing said at least one of said plurality of threaded cylindrical rods through said at least one threaded hole on said long "L" member and into a surface;

(c) facing said "b" side of said first flange of said long "L" member in an upward direction, positioning said shaft holder on top of said "b" side, passing one of said plurality of threaded cylindrical rods through said bolt hole on said first flange of said long "L" member and through said hole on said bottom, and securing said nut on said threaded cylindrical rod, and further screwing said at least one of said plurality of threaded cylindrical rods through said at least one threaded hole on said long "L" member and into a surface; and

(d) facing said "b" side of said first flange of said long "L" member in an upward direction, positioning said shaft holder on top of said "b" side, passing one of said plurality of threaded cylindrical rods through said bolt hole on said first flange of said long "L" member and through said hole on said bottom, and securing said nut on said one of said plurality of threaded cylindrical rods, screwing one of said plurality of

threaded cylindrical rods through said hole on said second flange of said short "L" member and through said at least one threaded hole on said long "L" member, positioning said surface between said "a" side of said first flange of said long "L" member and said top side of said clamping plate, screwing said clamping screw through said threaded screw hole on said first flange of said short "L" member and meeting said bottom side of said clamping plate, said clamping screw pushing said clamping plate upward to engage said surface.

26. The mounting system of claim 23 wherein said components further comprise a narrow short "L" member, said narrow short "L" member being narrower than said first flange of said long "L" member, and further comprising a narrow clamping plate.

27. The mounting system as described in claim 26, wherein said configurations are further comprised of:

(a) passing one of said plurality of threaded cylindrical rods through said bottom hole, through said surface, through said clamping plate hole, and screwing said nut on said threaded cylindrical rod;

(b) facing said "a" side of said first flange of said long "L" member in an upward direction, positioning said shaft holder on top of said "a" side, passing one of said plurality of threaded cylindrical rods through said bolt hole on said first

flange of said long "L" member and through said hole on said bottom, and securing said nut on said threaded cylindrical rod, and further screwing said at least one of said plurality of threaded cylindrical rods through said at least one threaded hole on said long "L" member and into a surface;

(c) facing said "b" side of said first flange of said long "L" member in an upward direction, positioning said shaft holder on top of said "b" side, passing one of said plurality of threaded cylindrical rods through said bolt hole on said first flange of said long "L" member and through said hole on said bottom, and securing said nut on said threaded cylindrical rod, and further screwing said at least one of said plurality of threaded cylindrical rods through said at least one threaded hole on said long "L" member and into a surface;

(d) facing said "b" side of said first flange of said long "L" member in an upward direction, positioning said shaft holder on top of said "b" side, passing one of said plurality of threaded cylindrical rods through said bolt hole on said first flange of said long "L" member and through said hole on said bottom, and securing said nut on said one of said plurality of threaded cylindrical rods, screwing one of said plurality of threaded cylindrical rods through said hole on said second flange of said short "L" member and through said at least one threaded hole on said long "L" member, positioning said surface between said "a" side of said first flange of said long "L" member and

said top side of said clamping plate, screwing said clamping screw through said threaded screw hole on said first flange of said short "L" member and meeting said bottom side of said clamping plate, said clamping screw pushing said clamping plate upward to engage said surface; and

(e) facing said "b" side of said first flange of said long "L" member in an upward direction, positioning said shaft holder on top of said "b" side, passing one of said plurality of threaded cylindrical rods through said bolt hole on said first flange of said long "L" member and through said hole on said bottom, and securing said nut on said one of said plurality of threaded cylindrical rods, screwing one of said plurality of threaded cylindrical rods through said hole on said second flange of said narrow short "L" member and through said at least one threaded hole on said long "L" member, positioning said surface between said "a" side of said first flange of said long "L" member and said top side of said narrow clamping plate, screwing said clamping screw through said threaded screw hole on said first flange of said narrow short "L" member and meeting said bottom side of said narrow clamping plate, said clamping screw pushing said narrow clamping plate upward to engage said surface.

28. The mounting system as described in claim 23, wherein said components are further comprised of:

a bracket, said bracket having a plurality of hooks, said hooks adapted to engage slots on a panel wall having slots, said bracket further having at least one hole, said bracket further having two threaded holes;

two set screws; and

at least one bolt.

29. The mounting system as described in claim 28, wherein said configurations are further comprised of:

(a) passing one of said plurality of threaded cylindrical rods through said bottom hole, through said surface, through said clamping plate hole, and screwing said nut on said threaded cylindrical rod;

(b) facing said "a" side of said first flange of said long "L" member in an upward direction, positioning said shaft holder on top of said "a" side, passing one of said plurality of threaded cylindrical rods through said bolt hole on said first flange of said long "L" member and through said hole on said bottom, and securing said nut on said threaded cylindrical rod, and further screwing said at least one of said plurality of threaded cylindrical rods through said at least one threaded hole on said long "L" member and into a surface;

(c) facing said "b" side of said first flange of said long "L" member in an upward direction, positioning said shaft holder on top of said "b" side, passing one of said plurality of

threaded cylindrical rods through said bolt hole on said first flange of said long "L" member and through said hole on said bottom, and securing said nut on said threaded cylindrical rod, and further screwing said at least one of said plurality of threaded cylindrical rods through said at least one threaded hole on said long "L" member and into a surface;

(d) facing said "b" side of said first flange of said long "L" member in an upward direction, positioning said shaft holder on top of said "b" side, passing one of said plurality of threaded cylindrical rods through said bolt hole on said first flange of said long "L" member and through said hole on said bottom, and securing said nut on said one of said plurality of threaded cylindrical rods, screwing one of said plurality of threaded cylindrical rods through said hole on said second flange of said short "L" member and through said at least one threaded hole on said long "L" member, positioning said surface between said "a" side of said first flange of said long "L" member and said top side of said clamping plate, screwing said clamping screw through said threaded screw hole on said first flange of said short "L" member and meeting said bottom side of said clamping plate, said clamping screw pushing said clamping plate upward to engage said surface; and

(e) facing said "a" side of said first flange of said long "L" member in an upward direction, positioning said shaft holder on top of said "a" side, passing one of said plurality of

threaded cylindrical rods through said bolt hole on said first flange of said long "L" member and through said hole on said bottom, and securing said nut on said threaded cylindrical rod,

passing each of said set screws through one of said two threaded holes on said bracket and engaging the panel wall, attaching said bracket to said second flange of said long "L" member by passing said at least one bolt through said at least one hole on said bracket and through said at least one threaded hole on said second flange of said long "L" member, and mounting said shaft holder to said surface by engaging said plurality of hooks in the vertically aligned slots.

30. The mounting system as described in claim 28, wherein said components are further comprised of:

two set screws;

a plate, said plate comprising at least two tabs, said plate further comprising at least one hole.

31. The mounting system as described in claim 30, wherein said configurations are further comprised of:

(a) passing one of said plurality of threaded cylindrical rods through said bottom hole, through said surface, through said clamping plate hole, and screwing said nut on said threaded cylindrical rod;

(b) facing said "a" side of said first flange of said long "L" member in an upward direction, positioning said shaft holder on top of said "a" side, passing one of said plurality of threaded cylindrical rods through said bolt hole on said first flange of said long "L" member and through said hole on said bottom, and securing said nut on said threaded cylindrical rod, and further screwing said at least one of said plurality of threaded cylindrical rods through said at least one threaded hole on said long "L" member and into a surface;

(c) facing said "b" side of said first flange of said long "L" member in an upward direction, positioning said shaft holder on top of said "b" side, passing one of said plurality of threaded cylindrical rods through said bolt hole on said first flange of said long "L" member and through said hole on said bottom, and securing said nut on said threaded cylindrical rod, and further screwing said at least one of said plurality of threaded cylindrical rods through said at least one threaded hole on said long "L" member and into a surface;

(d) facing said "b" side of said first flange of said long "L" member in an upward direction, positioning said shaft holder on top of said "b" side, passing one of said plurality of threaded cylindrical rods through said bolt hole on said first flange of said long "L" member and through said hole on said bottom, and securing said nut on said one of said plurality of threaded cylindrical rods, screwing one of said plurality of

threaded cylindrical rods through said hole on said second flange of said short "L" member and through said at least one threaded hole on said long "L" member, positioning said surface between said "a" side of said first flange of said long "L" member and said top side of said clamping plate, screwing said clamping screw through said threaded screw hole on said first flange of said short "L" member and meeting said bottom side of said clamping plate, said clamping screw pushing said clamping plate upward to engage said surface; and (e) facing said "a" side of said first flange of said long "L" member in an upward direction, positioning said shaft holder on top of said "a" side, passing one of said plurality of threaded cylindrical rods through said bolt hole on said first flange of said long "L" member and through said hole on said bottom, and securing said nut on said threaded cylindrical rod,

positioning one of said two set screws at the top of said bracket and positioning the second of said two set screws at the bottom of said bracket,

position said plate between said panel wall and said set screws to prevent damage to said panel wall by said set screws,

engaging said tabs on at least two of said slots, and

passing said at least one bolt through said at least one hole on said plate, through said at least one hole on said bracket and through said at least one threaded hole on said second flange of said long "L" member.

32. The mounting system as described in claim 23, wherein said components further comprise:

a first bracket, said first bracket having a face flange and a top flange, said face flange attached to said top flange, said top flange having a lip, said lip adapted to engage a slot on a slot wall surface, said face flange of said first bracket further having at least one hole, at least two threaded holes, and at least two slots;

at least one bolt;

at least two set screws;

a second bracket, said second bracket having a top flange, said top flange having a lip, said lip adapted to engage an upwardly facing slot, said second bracket further having a face flange, said face flange being attached to said top flange, said face flange having at least two holes, said face flange further having an angled portion, said angled portion having at least two set screw holes;

at least two bracket bolts and at least two bracket nuts;

at least two bracket set screws.

33. The system as described in claim 32, wherein said configurations further comprise:

(a) passing one of said plurality of threaded cylindrical rods through said bottom hole, through said surface, through said

clamping plate hole, and screwing said nut on said threaded cylindrical rod;

(b) facing said "a" side of said first flange of said long "L" member in an upward direction, positioning said shaft holder on top of said "a" side, passing one of said plurality of threaded cylindrical rods through said bolt hole on said first flange of said long "L" member and through said hole on said bottom, and securing said nut on said threaded cylindrical rod, and further screwing said at least one of said plurality of threaded cylindrical rods through said at least one threaded hole on said long "L" member and into a surface;

(c) facing said "b" side of said first flange of said long "L" member in an upward direction, positioning said shaft holder on top of said "b" side, passing one of said plurality of threaded cylindrical rods through said bolt hole on said first flange of said long "L" member and through said hole on said bottom, and securing said nut on said threaded cylindrical rod, and further screwing said at least one of said plurality of threaded cylindrical rods through said at least one threaded hole on said long "L" member and into a surface;

(d) facing said "b" side of said first flange of said long "L" member in an upward direction, positioning said shaft holder on top of said "b" side, passing one of said plurality of threaded cylindrical rods through said bolt hole on said first flange of said long "L" member and through said hole on said

bottom, and securing said nut on said one of said plurality of threaded cylindrical rods, screwing one of said plurality of threaded cylindrical rods through said hole on said second flange of said short "L" member and through said at least one threaded hole on said long "L" member, positioning said surface between said "a" side of said first flange of said long "L" member and said top side of said clamping plate, screwing said clamping screw through said threaded screw hole on said first flange of said short "L" member and meeting said bottom side of said clamping plate, said clamping screw pushing said clamping plate upward to engage said surface; and (e) facing said "a" side of said first flange of said long "L" member in an upward direction, positioning said shaft holder on top of said "a" side, passing one of said plurality of threaded cylindrical rods through said bolt hole on said first flange of said long "L" member and through said hole on said bottom, and securing said nut on said threaded cylindrical rod;

attaching said first bracket to said second flange of said long "L" member by passing said at least one bolt through said at least one hole on said bracket and through said at least one threaded hole on said second flange of said long "L" member, said shaft holder being mounted to said surface by engaging said lip in an upwardly facing slot,

passing each of said at least two set screws through one of said two threaded holes and engaging the slat wall,

passing each of said at least two bracket bolts through one of said at least two holes in said face flange of said second bracket and through said at least two slots, and securing said at least two bracket nuts on said at least two bracket bolts, engaging said lip of said second bracket in an upwardly facing slot, and

passing each of said at least two bracket set screws through one of said at least two bracket set screw holes in said angled portion, and engaging the slot wall.

34. The mounting system as described in claim 23 wherein said components further comprise:

a first bracket, said first bracket having a face flange and a top flange, said face flange attached to said top flange, said top flange having a lip, said lip adapted to engage an upwardly facing slot on a slot wall surface, said face flange of said first bracket further having at least one hole, at least two threaded holes, and at least two slots;

at least one bolt;

at least two set screws;

a second bracket, said second bracket having a lower flange, said lower flange having a lip, said lip engaging a downwardly facing slot on a slot wall surface, said lower flange further having at least two set screw holes, said second bracket further

having a face flange, said face flange being attached to said lower flange, said face flange having at least two holes;

at least two bracket bolts and at least two bracket nuts;
and

at least two bracket set screws.

35. The system as described in claim 34, wherein said configurations further comprise:

(a) passing one of said plurality of threaded cylindrical rods through said bottom hole, through said surface, through said clamping plate hole, and screwing said nut on said threaded cylindrical rod;

(b) facing said "a" side of said first flange of said long "L" member in an upward direction, positioning said shaft holder on top of said "a" side, passing one of said plurality of threaded cylindrical rods through said bolt hole on said first flange of said long "L" member and through said hole on said bottom, and securing said nut on said threaded cylindrical rod, and further screwing said at least one of said plurality of threaded cylindrical rods through said at least one threaded hole on said long "L" member and into a surface;

(c) facing said "b" side of said first flange of said long "L" member in an upward direction, positioning said shaft holder on top of said "b" side, passing one of said plurality of threaded cylindrical rods through said bolt hole on said first

flange of said long "L" member and through said hole on said bottom, and securing said nut on said threaded cylindrical rod, and further screwing said at least one of said plurality of threaded cylindrical rods through said at least one threaded hole on said long "L" member and into a surface;

(d) facing said "b" side of said first flange of said long "L" member in an upward direction, positioning said shaft holder on top of said "b" side, passing one of said plurality of threaded cylindrical rods through said bolt hole on said first flange of said long "L" member and through said hole on said bottom, and securing said nut on said one of said plurality of threaded cylindrical rods, screwing one of said plurality of threaded cylindrical rods through said hole on said second flange of said short "L" member and through said at least one threaded hole on said long "L" member, positioning said surface between said "a" side of said first flange of said long "L" member and said top side of said clamping plate, screwing said clamping screw through said threaded screw hole on said first flange of said short "L" member and meeting said bottom side of said clamping plate, said clamping screw pushing said clamping plate upward to engage said surface; and

(e) facing said "a" side of said first flange of said long "L" member in an upward direction, positioning said shaft holder on top of said "a" side, passing one of said plurality of threaded cylindrical rods through said bolt hole on said first

flange of said long "L" member and through said hole on said bottom, and securing said nut on said threaded cylindrical rod,

attaching said first bracket to said second flange of said long "L" member by passing said at least one bolt through said at least one hole on said bracket and through said at least one threaded hole on said second flange of said long "L" member, said shaft holder being mounted to said surface by engaging said lip in said upwardly facing slot,

passing each of said at least two set screws through one of said two threaded holes and engaging the slot wall,

engaging said lip of said second bracket in a downwardly facing slot,

attaching said second bracket to said first bracket by passing each of said at least two bracket bolts through one of said at least two holes in said face flange of said second bracket and through said at least two slots, and securing said at least two bracket nuts on said at least two bracket bolts, and

passing each of said at least two set screws through one of said at least two set screw holes in an upwardly angled direction, and said at least two set screws engaging the slot wall.

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